



— Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation — Nuclear Division

VOL. 18 — NO. 2

OAK RIDGE, TENNESSEE

Wednesday, January 15, 1964

1963's Safety Record Is Best Ever . . . Many Divisions Were Accident-Free



WINNERS . . . ALL THREE in Safety's December slogan contest are seen above picking up their awards. From left are A. C. Upton, Biology Division, ORNL in Y-12; Eula Johnson, Machine Tool Management Engineering, and first prize winner Cal W. Lunsford, Research Services. Industrial Relations Division Superintendent H. G. P. Snyder made the awards last week in the Safety Office.

Metals Group Meet Tonight, Alberti's

The Oak Ridge Chapter of the American Society for Metals will meet tonight, Wednesday, January 15, at Alberti's Italian Restaurant, Knoxville. The social hour will begin at 6:15 p.m., dinner at 6:45 and the technical session at 8.

Dr. Fred A. Thomas, head of the materials science section, Research and Development, Ingersol-Rand Company, Bedminster, New Jersey, will address the ASM meeting. He will discuss "Nucleation in Solids."

Thomas attended Cornell University and received his BS in Metallurgical Engineering in 1958. In 1958, he received his ScD in Metallurgy from Massachusetts Institute of Technology. Before assuming his present position at Ingersol-Rand, he was associate professor of Metallurgy at MIT. A member of several technical societies, Thomas has special interest in plastic deformation, microstructure, phase transformations; in the relationship of mechanical properties to structure; and in education in metallurgy and materials science.

War Of 1812 Took Away Newsworthy Story

The year of 1812, had it not been for a war, would have been remembered as the year of the big earthquake. Tremors shook the entire eastern seaboard, re-routing parts of the Mississippi River. It was during these quakes that Reelfoot Lake, in West Tennessee, was formed.

Safety Announces New Winners In Quarterly Slogan Contest

Judging was fast and furious in the initial quarterly slogan contest sponsored by the Safety Department. A record number of entries came pouring into the department to close out the year's end race.

Two Y-12ers came through as winners . . . as Cal W. Lunsford, Research Services, capped first place with his slogan 'All Things Look Better Thru the Eyes of Safety.' The slogan will be adopted for plantwide use during the April-May-June months. Eula M. Johnson, Machine Tool Management Engineering, also listed high in the award role with her musical slogan. Her slogan "C" Sharp or "B" Flat placed her in the winning circle.

A. C. Upton, Biology Division of ORNL in Y-12, was another winner with "The '64 Dollar Answer- Safety Pays!"

Meanwhile, entries have already started coming in for the next quarterly slogan contest. The race is open to all Y-12 employees and members of their families.

One thing to remember is the quarter for which the contest is meant . . . in case seasonal topics are used. The current contest will be for the June-July-August quarter and will circle around the summer months.

Prizes offered for the new contest are a picnic stove and barbecue set, a golf cart and a Skotch Cooler.

Address entries to the Safety Department, Building 9704-2.

Safety Award Selection Is Available Shortly

In accordance with the revised safety award plan, Y-12ers earned the equivalent of a \$2 safety award for 1963. (All periods are accumulatively massed on an annual basis.) The 33rd period from January 4 through February 18, or 1,859,209 man-hours was the only such period terminated in the past year. The long streak of man-hours begun on April 30 is extending into 1964 and still going.

Selection of 1963's awards will be available to Y-12ers shortly, as samples are being received of the awards.

Big Deal

"The little woman claims she's the perfect wife because she lets me out with the boys at least one night a week. Big deal — I'm a Scoutmaster."

Current String Of Accident-Free Days Began April 30, Still Going

The progress made during 1963 in reducing the number of disabling injuries was outstanding. Only four lost-time injuries were incurred during the year, or one injury per three million man-hours. Obviously, increased efforts and improved safety attitudes on the part of all employees contributed greatly to this accomplishment.

Three major periods of consecutive days worked without a disabling injury were achieved. The present accident-free period totals 257 days or 8,048,000 man-hours (through Sunday, January 12) and is still continuing. This period is rapidly approaching the present Y-12 record, established in 1960, of slightly more than ten million accident-free man-hours.

The goal of 'Accident-Free in '63' met with some discouragement in the early days of the year as a disabling injury occurred in each of the first four months. However, despite the earlier mishaps, the achievement during the latter months of 1963 was very commendable as no disabling injuries were incurred after April 30. Several divisions within the area accomplished the goal set at the beginning of 1963. The following divisions are to be commended for performing the entire year without a disabling injury:

Biology (ORNL in Y-12)
Chemical Operations
Development
Finance and Materials
Industrial Relations
Isotopes (ORNL in Y-12)
Maintenance
Reactor (ORNL in Y-12)
Shift Superintendents and Utilities
Special Projects
Technical Services

It is particularly noteworthy that for the first time the Maintenance Division has operated a full year without a disabling injury.

Y-12 can be proud of a truly outstanding performance in 1963. But, let us beware. Records merely reflect what has been done and what can be done. They are not a guarantee for tomorrow. Even with the outstanding achievement during 1963, the record includes one fatality, two fractured legs, and serious burns to the body of an employee. Therefore, Y-12 is not and cannot be satisfied; a greater effort must be made to perform all assigned tasks safely and efficiently. Y-12 has been a leader in production and in the development of new technology as well as in safe operation; to maintain this enviable position, employees cannot rest on past performance. The constant effort toward complete freedom from injury must be made. Employees must pledge themselves daily to recognize danger potentials, and promptly take action necessary to prevent injury, not only to ourselves but to others.

The safety and well-being of fellow employees are and must continue to be the first and real consideration of everyone, not only on the job, but everywhere.

Our minds must be conditioned to think and act safety at all times in any endeavor undertaken.

'Accidents Can Be Prevented'



Roger F. Hibbs

In response to this year-ending safety report, the plant superintendent, Roger F. Hibbs, stated: "I am proud of our 1963 safety performance; and, as I have written many times to both supervision and directly to employees regarding the safety of our personnel, the importance of preventing injuries cannot be over-emphasized. I am just as interested in operating this plant in a safe manner as I am in fulfilling our quality and production obligations. Each of us has an individual responsibility in attaining these objectives. Accidents can and must be prevented. We must continue to work as a team toward this goal."

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
257 Days Or
8,048,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through January 12
Phone 7755
For Daily Report
On Accident-Free Hours

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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'Birdie' Lead Is For Y-12's Royer

The musical comedy hit "Bye Bye Birdie" is the next production slated for Oak Ridge theatre audiences as the Oak Ridge Playhouse readies the zany extravaganza. Poking fun at the teen-age frenzies that send a hot singer to fame, one of the starring roles in the extremely funny show was taken on Broadway by Dick Van Dyke.

Y-12er Lamar Royer assumes the Albert Peterson role, taken by Van Dyke.



L. Royer

"Birdie" will open Thursday, January 23, at the Playhouse, Jackson Square. Other Y-12ers have prominent roles in the upcoming production. Ernest Earley portrays a neighbor and several sons and daughters play in the group of teen-agers who add much of the zest and enthusiasm to the show. Frances Williams, daughter of Eugene; Marty Alexander, son of Lloyd; and Karen Volkin, daughter of Elliott all are part of the teenage fan club.

The plot of the musical revolves around a publicity stunt dreamed up by the manager of the Elvis-type songbird named Conrad Birdie. Birdie is about to be inducted into military service and as a grand final salute, he is going to Sweet Apple, Ohio, where he will bestow his farewell kiss on a member of his fan club. The idea is fine — but the execution turns into shambles.

The musical is slated for week-ends of Thursday, Friday and Saturday, January 23, 24, 25 . . . and will be repeated January 30, 31 and February 1. Director Paul Ebert is being assisted by Ruth Fisher as Musical Director. Suzanne Skeel, wife of Lou, will handle several of the dance numbers.

Polio Deaths Drop Since Salk, Sabin Vaccines

The incidence of poliomyelitis has dropped sharply and fatalities from the disease have become relatively rare in the United States. These remarkable gains against the disease are attributed to the introduction of the Salk vaccine in 1955 and of the Sabin oral vaccine in more recent years. Deaths from polio in this country decreased from 1,043 in 1955 to only 47 in 1962, and are expected to drop even further in 1963.

Even way back in the Stone Age, when women wrote their ages down, they were usually chiseling



Did you hear about the visitor from Cape Kennedy upon seeing Washington monument, that remarked, "It looks mighty pretty, but they'll never get that off the ground."

Getting around the grounds in Y-12 it's told in

TV is just like life. You can't always get what you want when you want it.

FINANCE AND MATERIALS

The Mail Room is sending get well wishes to Margaret Anderson, off ill.

Forms Control reports Pearl Lindsay on vacation visiting her son who is home on leave from service . . . Get well soon also to E. A. Hauther, ill.

Microproduction and Engineering Records records that Carl Roddy became the proud grandfather recently of a little girl, Deborah Lee Best. Carl's daughter, Mrs. Linda Best, is now residing in California where little Debbie was born.

Receiving and Shipping tell that Charles Will vacations ever so nicely in Harriman.

Scientists are now revealing that women can hear better than men. That's news?

MAINTENANCE

Electrical is sending best wishes to K. W. Rainbolt who is recuperating from a broken shoulder picked up recently during a snowstorm.

Good luck to George Herzog who is returning to his studies at Purdue University.

Welcome Co-opper B. E. Weeks from Northwestern University.

Sympathy is extended to B. Cobb and family in the recent death of his father-in-law. Also to the V. T. Callaway family in the recent death of Mrs. Callaway's mother, Mrs. R. H. Worley, Beckley, West Virginia.



Creta Suzanne Sawyer

This little Christmas bundle of joy is Creta Suzanne Sawyer, who made her debut at Ft. Sanders Hospital December 21 and weighed seven pounds, five ounces. The proud parents, the A. L. Sawyer's, who certainly had the nicest of Christmas presents.

The Pump Shop is sending get well wishes to George Edmonds, confined in Oak Ridge Hospital after surgery and to A. C. Harrington, who is having a bout with a virus.

Talk about a surprised young feller, C. Holt surely filled the bill when Pump Shoppers recently presented him with a big cake at lunch time. All the celebrating was in honor of his 20th anniversary with Union Carbide.

May we extend congratulations, even though we missed getting a piece of cake.

ENGINEERING

Past Commander Gus Angele, Engineering Mechanics, is taking off to warmer climes to attend the 50th annual meeting of the United States Power Squadrons in Miami Beach, Florida, on Wednesday (today), January 15. Gus has been nominated to the National Governing Board of the USPS and has been reappointed to the National Committee on Seamanship.

A grouch is a man who is always dissatisfied, especially when he gets what he deserves.

ACCOUNTING & BUDGETS



Lee Ann and Marty

The future Miss America above is Lee Ann Vaughan, age three, shown with a Christmas Eve gift that came her way, little Phillip Mart "Marty" Vaughan. Marty was born December 24 in Oak Ridge Hospital. Parents are Ralph and Jerry Vaughan. Jerry is formerly of the Medical Department. (We'll let you in on a secret, Marty, December 24 is not much of a day to choose for a birthday!)

INDUSTRIAL RELATIONS

Fire and guardsmen vacationing this week include Sherley Honeycutt, C. L. Cotter and C. E. Alcorn . . . S. O. Venable, C. H. Slaton and A. A. Pierce took off last week for parts unknown.

MECHANICAL OPERATIONS

Friends of Fred C. Uffelman contributed approximately \$360.00 recently to the East Tennessee Heart Association in his memory.

The A-1 Shop reproduces 1-A news that a daughter was born to Charlotte and Herb Hensley. Kimberly Ann was born December 21, weighing six pounds, eight ounces. The best of wishes to Herb, who is improving in the Oak Ridge Hospital . . . but no visitors yet.

That's about it.

UNION MADE

Recently international representatives and national staff members of the United Auto Workers formed a union to represent them in dealings with their employer . . . the UAW. President Walter Reuther was quoted as being "hurt" and "shocked."

IRS Releases Revised Table Showing Allowance For Tennessee Sales Taxes

Revised allowances are being made for residents of Tennessee in claiming sales tax deductions in income tax computation, according to a recent release from the Internal Revenue Service.

Uncle Sam now figures Tennesseans pay more into state sales tax than before due to the extension of utilities, cleaning and personal property repairs on the taxable services. New taxes were added in Tennessee on June 1. Similar tables have been made available annually by IRS people.

While technically, proof of all

deductions is required, the figures shown in the table below would not be questioned by IRS auditors. Major purchases, such as automobiles, etc., may be also included (the sales tax portion) in claiming deductions on the 1040's.

Y-12ers recently received their W-2's from Union Carbide . . . and most employees have already filed their income tax reports (those getting refunds, that is.) The rest of us wait until the April 15 deadline.

Meanwhile, happy filing!

ADJUSTED GROSS INCOME	SINGLE PERSON	TWO PERSONS	THREE PERSONS	FOUR PERSONS	FIVE PERSONS	SIX OR MORE
Under \$ 1,000	\$ 20	\$ 28	\$ 30	\$ 35	\$ 38	\$ 40
\$1000 under \$1500	27	36	39	40	41	44
\$1500 under \$2000	34	45	48	50	52	55
\$2000 under \$2500	40	53	57	58	62	66
\$2500 under \$3000	46	60	65	66	71	76
\$3000 under \$3500	52	67	72	74	79	86
\$3500 under \$4000	58	74	79	81	87	95
\$4000 under \$4500	64	80	86	88	95	104
\$4500 under \$5000	69	86	93	95	103	112
\$5000 under \$5500	74	92	99	102	111	120
\$5500 under \$6000	79	97	105	109	118	128
\$6000 under \$6500	84	102	111	116	125	136
\$6500 under \$7000	88	107	117	122	132	144
\$7000 under \$7500	92	112	122	128	139	152
\$7500 under \$8000	96	117	127	134	146	160
\$8000 under \$8500	100	122	132	139	152	168
\$8500 under \$9000	104	127	137	144	158	176
\$9000 under \$9500	108	132	142	149	164	184
\$9500 under \$10,000	111	136	147	154	169	192
\$10,000 under \$11,000	118	143	155	162	176	202
\$11,000 under \$12,000	126	152	164	170	186	215
\$12,000 under \$13,000	133	161	173	178	197	227
\$13,000 under \$14,000	140	169	182	186	208	239
\$14,000 under \$15,000	147	177	191	194	218	250
\$15,000 under \$16,000	154	185	199	202	228	261
\$16,000 under \$17,000	161	193	207	210	238	272
\$17,000 under \$18,000	168	200	215	218	248	283
\$18,000 under \$19,000	175	207	223	226	257	294
\$19,000 under \$20,000	181	214	231	234	266	304



KELLER-FREELS

The Lancing Presbyterian Church, Lancing, Tennessee, was the scene of the December 27 wedding of Miss Peggy Freels to Mr. Richard S. Keller. The Reverend William Waits officiated at the 6 p.m. rites.

Miss Gene Dorcheid, vocalist, and Mrs. Truman Melton, organist, provided nuptial music for the ceremony.

The bride, given in marriage by her father, wore a floor length gown of white bridal satin fashioned with a scalloped neckline and short chapel train. The finger-tip English illusion veil was held in place by a crystal queen's crown. Tucked in the folds of her gown for "something old" was a pin belonging to the groom's grandmother. The gown was fashioned by the bride's mother and Mrs. Edith Ayles. The bride carried a white Bible covered with an orchid and lily of the valley streamers.

The new bride is the daughter of Mr. and Mrs. David L. Freels, Lancing. Her father is in Y-12's Alloy Shop in Beta Two.

The groom is the son of Dr. and Mrs. Carl Schubert Keller, Fairfax, Virginia. He is vice president of the Keller-Rice, Incorporated Company, and is graduated from American University, Washington, D. C. He is presently teaching at Glasgow Intermediate, Alexandria, Virginia. He is also director-organist at Lanham Methodist Church, Lanham, Maryland.

Attendants at the rites were David Freels, brother of the bride, who served as the groom's best man. Ushers were Gary Freels, and O. J. Potter, brother and uncle of the bride respectively. Miss Nancy Dillon, Wartburg,



Mr. and Mrs. Richard S. Keller

was the bride's maid of honor, and Brenda Potter, was a bridesmaid. They wore gowns of emerald green.

The couple was honored by a reception at the bride's home following the nuptials.

The bride is a graduate of Wartburg Central High School and has been employed by the Federal Bureau of Investigation, Washington, where she also completed business college.

Falls Account For More And More Home Fatalities

Falls in home were among the top causes of injuries in the United States in 1963. In around the home, more than 19,800 persons were killed and an estimated 1,000,000 more were injured, safety experts state. Elderly persons led the list of victims with 10,800 of the fatalities being of those over 75 years of age. Darkness accounted for at least one-third of the deaths.

Atoms Eke Out Win In Loop Overtime

ORNL Independents Is Team To Stop

The first game of the Basketball League last week was a corker . . . Y-12's Atoms defeated ORNL's Metals and Ceramics 63-56. The Atoms were down by as much as 11 points twice in the game. They started late in the third quarter making their move, and tied up with only two minutes to go. The lead seesawed back and forth until with 15 seconds to go . . . M & C went to the foul line with a one and one and missed.

With only one second to go the Atoms faced the same situation and missed. The overtime period gave the Atoms the seven point margin.

The classy ORNL Independents out-classed Y-12's Peons in the second game Monday, January 6 . . . defeating them 82 to 30. Oddities upon top of oddities . . . the Peons would have won by forfeit had not the first game gone into overtime. With only five men on the floor the Independents . . . Goosby scored 35 points . . . Forrester and Wright led the losers with 11 and six each.

Good Tall Team

ORGDP's All Stars defeated Y-12's Rebs in Monday's final game . . . 43 to 28. As the score keeper noted, this was just a case of a good tall team beating a good short team . . . with rebounds naturally going always to the winning squad. Henderson led the Stars with 12 scores and Batch took eight for the Rebs.

On Wednesday the Independents took on fellow plantsmen from ORNL, the Fearless Five, downing them 49 to 41.

Other ORNL teams colliding saw the Cell Four combine roll over Analytical Chemistry team 36 to 35 in a close one.

Peons Lose Fourth

Y-12's Peons dropped the last game of the week as they were out-classed by the ORGDP All Stars 33 to 51. Don Forrester led the losers with eight. Bob Henderson tallied 13 for the winners and Benny Crass and Terry Mothershed scored 12 for the Stars.

League standings follow:

Team	W	L
Independents, ORNL	5	0
All Stars, ORGDP	4	0
Atoms, Y-12	2	1
Rebels, Y-12	2	2
Metals & Ceramics, ORNL	1	1
Fearless Five, ORNL	1	2
Analytical Chemistry, ORNL	1	3
Cell Four, ORNL	1	4
Peons, Y-12	0	4

New Fishing Rodeo Opens In New Year

Nine Categories Open For Anglers

Fishermen may be interested in the new 1964 Y-12 Annual Fishing Rodeo now open.

The species category includes largemouth bass, smallmouth bass, striped bass, walleyed pike, sauger pike, crappie, blue gill or bream, rough fish (cat, drum, carp) and trout.

Entry forms are available in the Recreation Office, and the contest will include any fish caught during the new year. A photograph of the catch must accompany the certification of weight, length and breadth.

The number of awards in each species class will depend on the number of entries.

Fish must be caught in fresh

Rusty Five Still Up There On Bush Alleys

The Rusty Five kept their lead in the Bush League for Y-12 bowlers last week by raiding the '66' Raiders for three points. Other three point wins went to the Seven Sixties over the Turtles, the Rollmasters over the Outcasts and the Rollniks over the Dry Hides. The Hi Balls and the Beavers split two.

W. F. Tiller, Seven Sixties, swept individual honors all the way across the board for the week, rolling singles of 248 scratch, 270 handicap and series of 634 scratch and 700 handicap. The Rusty Five took most team honors, rolling singles of 903 scratch, and series of 2609 scratch and 2949 handicap. The Rollmasters rolled high handicap singles with 1036.

League standings follow:

Team	W	L
Rusty Five	26	6
Turtles	22	10
Seven Sixties	19	13
Rollmasters	18	14
Dry Hides	17	15
Hi Balls	14	18
Outcasts	13	19
'66' Raiders	12	20
Rollniks	11	21
Beavers	8	24

Mixed League Starts New Season Rolling

Toppers Top Head Over Pin Plasters

Initial rollings in the new season of play for the Mixed League of Y-12 bowlers last week saw the Toppers take position number one by their four-point win over the Pin Plasters. The Goofers took three from the Ghosts and the Phantoms did likewise over the Alley Cats. The Cool Cats and Scrappers split two points each.

Irene Carmack, Cool Cats, took high scratch honors with a single of 166 and series of 473. Also on the female side, Ella Stansell took handicap highs, rolling a single of 214 and series of 599. C. C. Roberts, Ghosts, took single highs with a 196 scratch, 238 handicap game. Al Wyrick, Phantoms, rolled series highs with 502 scratch and 628 handicap totals.

The Goofers almost swept the boards, taking single scratch highs of 627 and series in line of 1785 scratch and 2271 handicap sums. The Ghosts rolled high handicap singles with 787.

League standings follow:

Team	W	L
Toppers	4	0
Phantoms	3	1
Goofers	3	1
Scrappers	2	2
Cool Cats	2	2
Ghosts	2	3
Alley Cats	1	3
Pin Plasters	0	4

water within the continental United States. The trout must be caught in Tennessee waters or in streams in the Great Smokies.

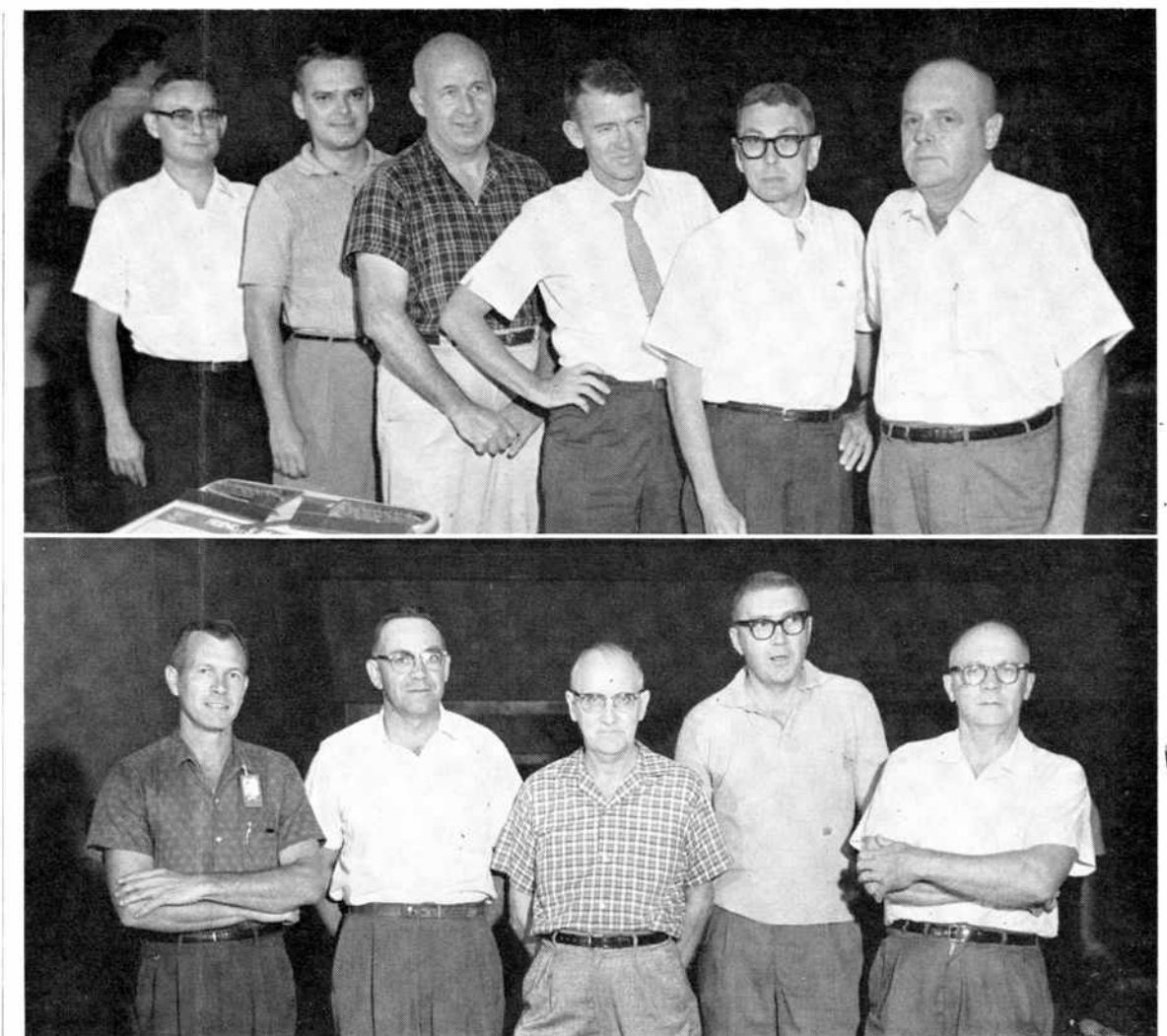
Just drop by Recreation, Room 149, Building 9704-2, and pick up the entries . . . or just call extension 7109 and the blanks will be mailed to you.

Quarterly rodeos will begin sometime in March. Quarterly contests do not require photographs.

YOU ALL COME

Scientists are now speculating that porpoises from different oceans have different accents.

If you can't do it safely, don't do it!



SNAPPY TEAMS IN THE CLASSY Classic League are seen in a recent night of action on local lanes. The 16-team league is Y-12's oldest and biggest bowling league. In the top photograph are the Smelters, from left, Al Fischer, Bill Geldmeier, W. C. Shelton, Captain M. B. Edwards, John Harding and J. G. McArthur. In the lower picture are the Screwballs, Ray Seivers, Carl Frazier, Capt. H. O. Runge, C. R. Lively and J. L. Sprouse. Absent was J. E. Cheek.

C League Is Locked In Three-Way Tie

Rodders, Strikers Lucky Strikes Vie

A three-way tie has developed for the lead in the C League for Y-12 bowlers. The Strikers, Lucky Strikes and Rodders all took their three-point wins. The Strikers struck down the Rounders, the Lucky Strikes took the Screwballs and the Rodders calmed the Shud-A-Beens.

Other three pointers went to the Big Five over the Five Roses, and the Parbusters over the Sunflowers. Two points were split between the Hi Lifers and the Hookers.

Lloyd Wyatt, Lucky Strikes, struck high in singles, taking a 224 scratch game, and tying with Elbert Scott, Five Roses, for high handicap single, each with 249. Scott's series were high with a 585 scratch, 669 handicap total.

The Hi Lifers nearly swept the board, rolling singles of 910 scratch, 1085 handicap, and a series handicap total of 2995. The Lucky Strikes took scratch series honors with 2545.

League standings follow:

Team	W	L
Strikers	7	1
Lucky Strikes	7	1
Rodders	7	1
Sunflowers	5	3
Shud-A-Beens	5	3
Rounders	4	4
Big Five	3	5
Parbusters	3	5
Screwballs	2	6
Hi Lifers	2	6
Hookers	2	6
Five Roses	1	7

Difficulty Arises In Telling Beliefs

"We cannot tell some people what it is we believe, partly because they are too stupid to understand, partly because we are too proudly vague to explain." Robert Frost.

Markers Take Slim Classic League Lead In Early Stages

The Markers still lead the Classic League by one slim point by virtue of their alley-win over the Tigers by four. Close behind the Swingsters also took four from the Splinters. The Has Beens defeated the All Stars, and the Rippers tore into the Rebels, by four also. Three pointers were taken by the Smelters over the Screwballs, and the Wolves over the Playboys. The Bumpers-Eightballs, and the Cubs-Wasps duels ended in draws as each team took two.

Paddy Peckman, Rippers, rolled a high single scratch game of 224. J. L. Markland, Bumpers, tied Paddy for high single handicap game with 251. Markland took the rest of the board by rolling high series of 621 scratch and 705 handicap.

The Rippers rolled high all the

way in singles 950 scratch, 1086 handicap . . . in handicap 2715 scratch and 3123 handicap . . . sharing only a tie with the Bumpers in high scratch singles.

League standings follow:

Team	W	L
Markers	11	1
Swingsters	10	2
Has Beens	9	3
Smelters	8	4
Wolves	8	4
Rebels	7	5
All Stars	7	5
Wasps	6	6
Bumpers	6	6
Rippers	6	6
Playboys	5	7
Cubs	4	8
Tigers	3	9
Screwballs	3	9
Eightballs	2	10
Splinters	1	11

E League's Rosko Hits High Stride

The league-leading Four-squares in the E Bowling League clipped the Cannonballs last week for four points. Another sweep went to the Pinquins over the Ten Pins. The Alley Bees and Pintwisters split two.

Fred Rosko, Pintwisters, burned the alleys up by rolling a 264 scratch, 300 handicap game. His first seven throws were strikes. He also took high series with 524 scratch and 628 handicap. The Pinquins took high single scratch honors with 628; while the Pintwisters took handicap highs in singles with 801. The Ten Pins totaled high series in scratch play with 1823, and the Pinquins scored a 2272 handicap series.

League standings follow:

Team	W	L
Four Squares	41	19
Ten Pins	32	28
Pintwisters	30	30
Alley Bees	28	32
Pinquins	27	33
Cannon Balls	22	38

Beavers Take Y-12's Eagles In Volleyball

Two Y-12 teams collided in Y-12's Volleyball League last week. The Beavers clubbed the Eagles for three games 15-11, 15-3, and 15-13.

ORNL's Champs took the Old Men, also from ORNL for three, 17-15, 17-15, and 6-3 in a limited time game. Two other ORNL teams vied as the Set Ups defeated the Six Pots 15-5, 15-1, and 15-5.

League standings follow:

Team	W	L
Champs, ORNL	6	0
Set-Ups, ORNL	5	1
Beavers, Y-12	5	1
Old Men, ORNL	5	1
Eagles, Y-12	4	2
Six Pots, ORNL	1	6
Scrubs, ORNL	0	6

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Affairs Official Form Huntsville Space Center



Bart J. Slattery Jr.

AICHe Plans Social Affair At C'est Bon

The Oak Ridge-Knoxville section of the American Institute of Chemical Engineers has selected Saturday, January 18, as the big day of their annual dinner-dance for the installation of officers.

The affair will be held at the C'est Bon Lancelot Room, Knoxville . . . and charges are \$3.50 per person for members, \$4.50 per person for non-members. Any member of AICHe will be able to furnish interested parties with more details.

Drawn Polymers Topic Of Physics Seminar

Anton Peterlin, Research Triangle Institute, Camille Dreyfuss Laboratories, Durham, North Carolina, will conduct this week's Physics Division Seminar. He will discuss "NMR Investigations of Drawn Polymers."

The Oak Ridge National Laboratory seminar is set for Friday, January 17, at 3:15 p.m. in Building 4500's East Auditorium.

Museum Breaks Visitor Record During 1963

A new record of 127,104 persons visited the American Museum of Atomic Energy during 1963, according to a recent announcement. The figure was more than 7,000 higher than the previous record — 119,570 persons who visited the Museum during 1962.

A new monthly high also was set in '63 when 32,219 persons toured the Museum during the month of August.

At middle age, your tripping becomes less light and more fantastic.

The Oak Ridge Subsection of the American Society of Mechanical Engineers will meet Thursday, January 16. The meeting is set at the Holiday Inn, Oak Ridge, with dinner at 7 p.m. and the technical session at 8.

Speaker for the January ASME meet will be Bart J. Slattery Jr., director of public affairs for NASA's Marshall Space Flight Center, Huntsville, Alabama. He will use as his subject: "Before This Decade is Out."

A captain in the United States Navy, Slattery was assigned to the civilian space agency's facility on August 1, 1960. He was assistant director of plans and evaluation in the Navy's office of information at the Pentagon before coming to the space capitol. He also is a member of the X-15 research airplane information committee for NASA's Project Mercury.

He published the Naval Aviation News for the Navy from 1954 until 1958, and has served as public information officer for the Naval Air Station, St. Louis; Naval Air Reserve Training Command, Glenview, Illinois; and the Naval Air Reserve Facility, Miami, Florida.

All ASME members are urged to attend and bring guests. Dinner reservations may be made through J. C. Cox, extension 7705, or F. H. Neill, extension 7533.

If members do not come for dinner, they are invited to attend the technical session at 8 p.m.

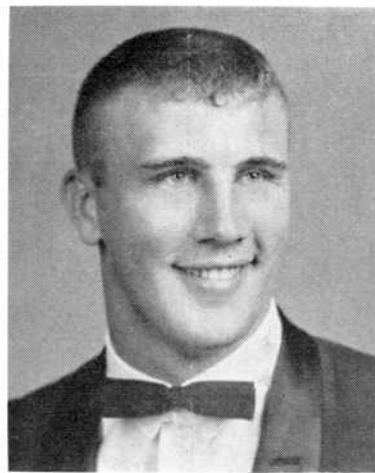
Dawson Son Played In All-Star Game



Danny Dawson

The All Star Baby Falcon Mid-get team in Knoxville took on similar stars from Eau Galle,

Taylor Son Gets Football Grant At Mississippi



Ronnie Hartsell

The J. C. Taylor household is proud these days of their son Ronnie Hartsell. Ronnie, who just completed a successful season at East High School, gained just about every honor a gridiron star can get while still in high school.

Ronnie was picked on Prep Magazine's All Dream Team, All KIL team, all AA team, All East Tennessee team, and on several pre-season All American teams. He has just signed a grant-in-aid with Mississippi State University, Starkville, Mississippi. The young senior played end at East.

The Taylors live at 3827 Selma Avenue, Knoxville. The proud papa, J. C. Taylor, is in Y-12's Receiving Department.



Another nine Y-12ers move out of their teens in company service this week to celebrate their 20 years with Union Carbide Corporation. Others celebrate important milestones. Congratulations.

20 YEARS

William F. McDougal, Chemical Department, January 15.

John L. Young Jr., Electrical Department, January 17.

William S. Wallace, Product Processing, January 17.

Lewis D. Carlton, Steam Plant, January 17.

Fred H. Marrow, Buildings, Grounds and Maintenance Shops, January 19.

Thomas A. Narcrosse, Property, January 19.

Walter Creekmore, Garage, January 20.

George W. Carter, General Machine Shop, January 20.

Rolly D. Beasley, Chemical Department, January 20.

15 YEARS

Jay Fred Burnett, General Field Shop, January 17.

10 YEARS

James M. Richmond, Area Five Maintenance, January 15.

Robert L. Bolden, Electrical Department, January 18.

Leo J. Taylor, A-1 Shop, January 18.

Florida, during the holidays. The game was played on Sunday, December 28, at Evans Collins Field, and ended in a seven-seven tie.

Danny Dawson, son of Mr. and Mrs. Wayne J. Dawson, 2620 Bortright Drive, played halfback with the Falcon Midgets from Knoxville.

The star half back's dad is in Y-12's Research Services.

Recreation Departments Can Help You Prepare For That Far-Away Trip

After the successful European tour taken by many Carbiders last year, a new angle has been lined up for vacationers who like to go places. The Recreation Offices in the three plants have received several proposals for 1964 tours — ranging from bus and boat trips to air travel.

The new year offers many varied and exotic sights for world travelers . . . such as Europe, Mexico, Hawaii, and the World's Fair to open this year in New York. In view of this, a se-

lect number of proposed tours are listed to determine employees' territorial interests.

Upon receipt of the questionnaire, the tour or tours to the locations of most interest, including the complete itineraries, will be made available. The travel company, or companies, concerned will then be contacted for arrangements.

Please complete and return the questionnaire below not later than Friday, January 24. Return to Recreation, Building 9704-2.

Name _____ Bldg. _____

Home Address _____

Office Phone: _____ Home Phone: _____

My interests are in the following tours:

1. New York World's Fair (Duration: _____)

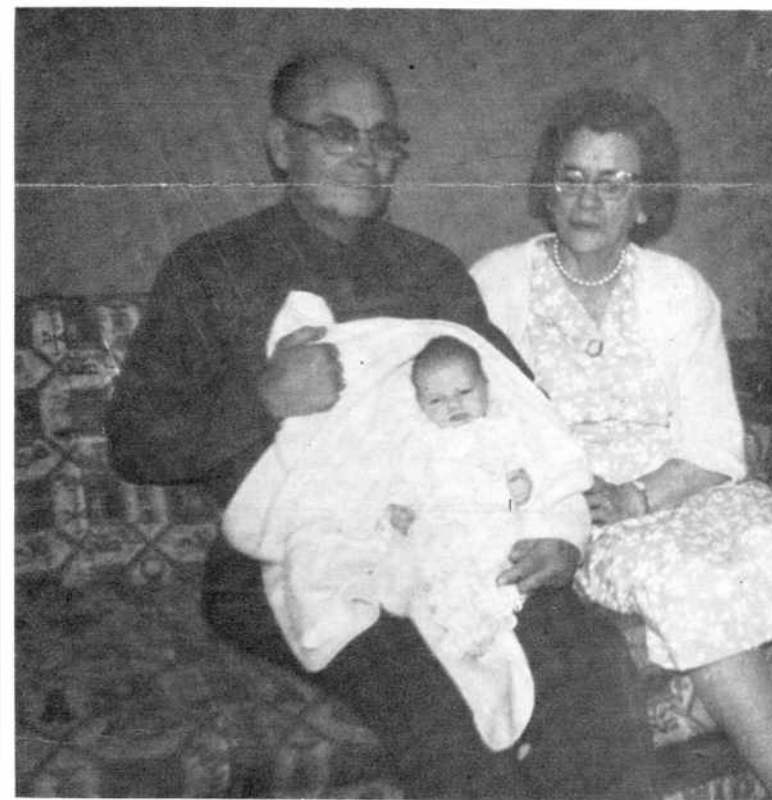
2. Mexico (Duration: _____)

3. Hawaii (Duration: _____)

4. Europe (Duration: _____)

(Location: _____)

Other Comments: _____



THREE GENERATIONS of the Sands Of Time (please pardon the pun) are represented in the above picture. That's Art Sands, Chemical, holding his granddaughter Susan Sands. Art's mother, Mrs. Jardine, originally from Lynn, Massachusetts, now living at the Sands home, looks on proudly.

Credit Union Members To Meet January 30

Members of the Y-12 Credit Union are reminded of their annual meeting set for 7:30 p.m. Thursday, January 30. The business is scheduled to take place in the Green Room of the Ridge Recreation Hall.

The treasurer's report for 1963 will be submitted at the annual meeting. A complete report of board and committees will be published and mailed to each individual member after the meeting.

Every shareholder member is welcomed at the annual meet, and every vote is equal there.

Safety and security go hand-in-hand.



Ride wanted or will share ride from North Knoxville to Bear Creek Portal, E Shift. H. A. Tobe, plant phone 7-8931, home phone 687-5060.

Ride wanted from Maryland Avenue, Knoxville, to North Portal, H Shift. Marie Reich, plant phone 7357, home phone Knoxville 525-5267.

Rider wanted from Harriman to West or Bear Creek Portals, straight day. R. W. Curtis, plant phone 7-8465, home phone Harriman 882-2949.